FIG.1

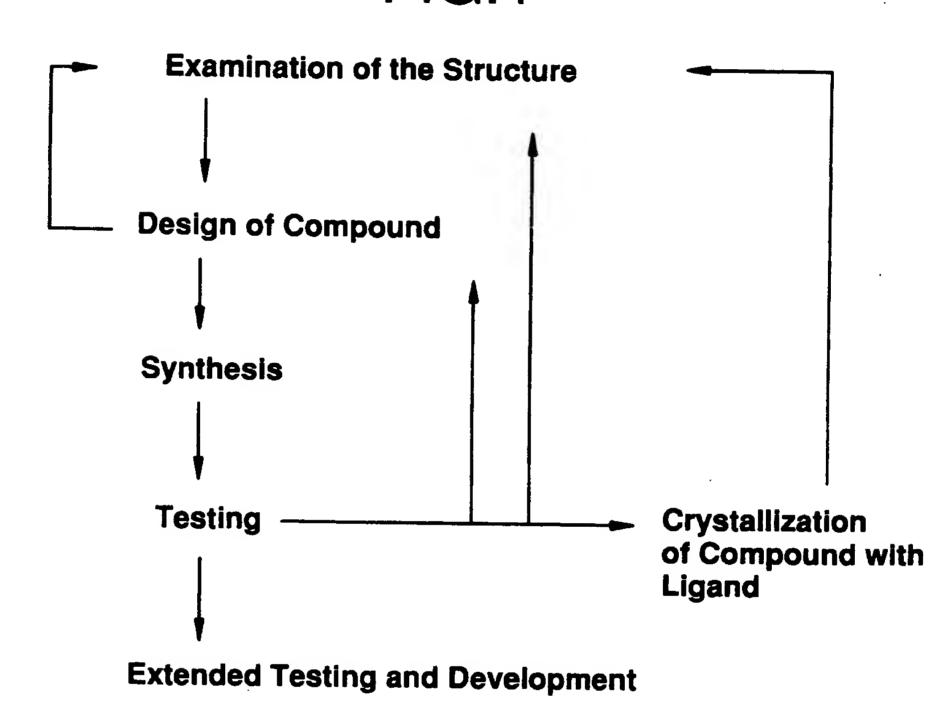


FIG.2

DOMAINS : NH2- I ERMINAL	DNA BINDING	LIGAND BINDING
HOMOLOGY: Hypervariable	> 40%	About 20%
FUNCTION: Transactivation	DNA Binding Dimerization	LIGAND Binding Dimerization Transactivation

Nuclear translocation

Hsp binding

•	•	•	•	•	•	nak
VSCVSGAIPN	DENNYMEIVN	RSSLGPTERT	RWGQVSQAVE	SLPEGLDMER	METKGYH	nmk
IPISLDGLLF	TSDTLPEVSA	PAAGPFPGSQ	PEVGSPLLCR	APHVAGGPPS	MTELKAKGPR	カゲス
•	•	•	•			מפא
•	•	•	•	•	•	hCB
•	•	•		•	•	hVDR
	•	•	•	•	•	hPPARgamma
•	•	•	•	•	•	hPPARbeta
•	•	•	•	•	•	hPPARalpha
•	•	•	•	•	•	hRXRbeta
•	•	•	•	•		hRXRalpha
	•	•	•	•	•	hRARgamma
	•	•	•	•	•	hRARalpha
	•	•	•	•	•	hTRbeta
•	•	•	•	•	•	hTRalpha
•	•	•	•	•	•	rTRalpha
60					j	

FIG.3A

	61					120
rTRalpha	•	•	•	•		
hTRalpha	•	•	•			
hTRbeta	•	•	•			
hRARalpha	•	•	•			
hRARgamma	•	•	•			
hRXRalpha	•	•	•			•
hRXRbeta	•	•	•			
nPPARalpha	•	•	•			
hPPARbeta	•	•	•			
1PPARgamma	•	•	•			
hVDR	•	•	•			
hER	•	•	•			
hGR	•	•	MDSKE	SLTPGREENP	SSVLAGERGD	VMDFYKTLRG
hPR	PRPCQGQDPS	DEKTQDQQSL	SDVEGAYSRA	EATRGAGGSS	SSPPEKDSGL	LDSVLDTLLA
hMR	NSTQGSSKEK	QELLPCLQQD	NNRPGILTSD	IKTELESKEL	SATVAESHGL	YHDSVRDADY
DAIK.	•		•	•	•	•

FIG.3B

•	•	•	•	•	•	
SDSGSSVNGG	NIFL. RSFM	GURESTESCA	THE TANK THEM	K	1 1 1	לא לה לא לה
			FOI VERVECE	MSPAKTYONV	SYECONOOGS	hMR
KVGDSSGTAA	LSPLMSRSGC	PPAAPATQRV	CLFGPELPED	PPACEVISSW	SANSASASASA	N. A.
DFPKGSVSNA	.DSKQRRLLV	•	•	rothvaugo.		בר ה מ
• • • • • • • •				DOT AVA COC	GATVKVSASS	hgr
			•	•	•	hER
		•	•	•	•	hVDR
		•	•	• • • • • • • • • • • • • • • • • • • •	•	hPPARgamma
		•	•	•	•	hPPARbeta
	•	•	•	•	•	nPPARalpha
	•	•	•	•	•	hRXRbeta
		•	•	•	•	hRXRalpha
		•	•	•	•	hRARgamma
		•	•	•	•	hRARalpha
		•	•	•	•	hTRbeta
			•	•	•	hTRalpha
		•	•	•	•	rTRalpha
180					121	

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FIG.3C

	181					3
rTRalpha	•	•				740
hTRalpha	•	•				•
hTRbeta	•	•	•			
hRARalpha	•	•	•	•		
hRARgamma	•	•	•	•		
hRXRalpha	•	•	•			
hRXRbeta	•	•	•			•
hPPARalpha	•	•	•			
hppARbeta	•	•	•			•
hPPARgamma	•	•	•			•
hVDR	•	•	•			
hER	•	•	•	•		
hGR	QQPDLSKAVS	LSMGLYMGET	ETKVMGNDLG	FPQQGQISLS	SCETDLKLLE	ESIANLNRS
hPR	AHKVLPRGLS	PARQLLLPAS	ESPHWSGAPV	KPSPQAAAVE	VEEEDSSESE	ESAGPLI.KGK
hMR	VHRAIVKS	PIMCHEKSPS	VCSPLNHTSS	VCSPAGINSV	SSTTASEGSE	PVHSPITQGT
מאגמ	•		•	•	•	•

FIG.3D

	241					300
rTRalpha	•	•	•	•	•	•
hTRalpha	•	•	•	•	•	•
hTRbeta	•	•	•	•	•	•
hRARalpha	•	•	•	•	•	•
hRARgamma	•	•	•	•	•	•
hRXRalpha	•	•	•	•	•	•
hRXRbeta	•	•	•	•	•	•
hPPARalpha	• • • • • • • • • • • • • • • • • • •	•	•	•	•	•
hPPARbeta	•	•	•	•	•	•
hPPARgamma	•	•	•	•	•	•
hVDR	•	•	•	•	•	•
hER	•	•	•	•	•	•
hGR	TSVPEN	PKSSASTAVS	AAPTEKEFPK	THSDVSSEQQ	HLKGQTGTNG	GNVKLYTT
hPR	PRALGGAAAG	GGAAACPPGA	AAGGVALVPK	EDSRFSAPRV	ALVEQDAPHA	PGRSPLATTV
hMR	PLTCSPNAEN	RGSRSHSPAH	ASNVGSPLSS	PLSSMKSSIS	SPPSHCSVKS	PVSSPNNVTL
har	•	•	•	•	•	

FIG.3E

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har	hmr	hPR	hGR	hER	hVDR	hPPARgamma	hPPARbeta	hPPARalpha	hRXRbeta	hRXRalpha	hRARgamma	hRARalpha	hTRbeta	hTRalpha	rTRalpha	
•	RSSVSSPANI	MDFIHVPILP	•	•	•	•	•	•	•	•	•	•	•	•	•	301
	NNSRCSVSSP	LNHALLAART	DQST	•	•	•	•	•	•	•	•	•	•	•	•	
•	SNTNNRSTLS	RQLLEDESYD	FDILQDLEFS	•	•	•	•	•	•	•	•	•	•	•	•	
•	SPAASTVGSI	GGAGAA	SGSPGK	•	•	•	•	•	•	•	•	•	•	•	•	
•	CSPVNNAFSY	SA	ET	•	•	•	•			•	•	•	•	•	•	
	TASGTSAGSS	FAPPRTSPCA	NESPWRSDLL													360

								hPP	hP	מיים	י ז	ר 5	ר ניני	ר זיי	r 3	•	T H	t
	7 10 10	hMR	nPR		r	her	hVDR	hPPARgamma	hPPARbeta	nrrakaipha	nkxkbeta	haxatpna	hrangamma	hrakaipha	nikweta	Hantpha	rikaipha	うりつしてい
•		TLRDVVPSPD	SSTPVAVGDF	TUENCLLSPL			•	•	•	•	•	•	•	•	•	•	•	361
•		TOEKGAOEVP	PDCAYPPD	AGEDDSELLE			•	•	•	•	•	•	•	•	•	•	•	
•		FPKTEEVESA	AEPKDDAYPL	GNSNEDCKPL	•		•	•	•	•	•	•	•	•	•	•	•	
•	- Contract of the contract of	ISNOVICOLA	YSDFQPPALK	ILPDTKPKIK	•			•	•	•	WSH	•	•	•	•	•	•	
•	TAKTTAKERU	TVOVIKOSOO	IKEEEEGAEA	DNGDLVLSSP	•				•	•	AARPPFLPQR	•	•	•	•	•	•	
•	GAT SOUTHER	ATTO: 10:10	SARSPRSYIV	SNVTLPQVKT	MIK	• • • • • • • • • • • • • • • • • • • •				•	HAEGSVGRWG	•	•	•	•	•	•	420

DRAFTSMAN

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FIG.3G

AULTOTIVE.	• • • • • • • • • • • • • • • • • • • •					
UP BYCYTUB	C. C.	GGGEA		• • • • • • • •	• • • • • • • •	nak
VATIOUS CITY	グラントかられたがり					F. 5
KDV:Sot cott	DCCVTCTLDD	NOTUNDEDEK	HSCSGTSFKG	SVPIKOESTK	NSKINSDSSF	hMIR
PASASVSSAS		EAAVT	TX. ATTUREG	***	DAULT DULL	
				מים מים מים מים	DODAGAGG	מסת
MSAISVHGVS	· · · · · · · · · · · · · · · · · · ·	ANIIG	TVYCQASFPG	PGVIKQEKLG	EKEDFIELCT	nGR
YPEGAAYEFN	LDSSKPAVYN	PLERPLGEVY	EPLNRPQLKI	LLHQIQGNEL	TLHTKASGMA	nex 1 or
TIRVLEVEVD	AQVIVMSGQE	SCTLKFPAQD	PLIVNEQLLG	DIEDLPANNA	3	בול ל בי אול ל
•				7	<	אלקא
			•	•	•	hPPARgamma
	•	•	•	•	•	hPPARbeta
•	•	•	•	•	•	hPPARalpha
SRSPDSSSPN	RDGRHGRD	PGAGARGWIG	GGGGRRRITN	ALAGSRSGGG	AKECIVGSAT	nkxkbeta
FSTQVNSS	MOTKHFLPLD	•	•	•		nkakalpha
•	•	•	•	•	•	hRARgamma
•	•	•	•	•	•	hRARalpha
•	•	•	•	•	•	hTRbeta
•	•	•	•	•	•	hTRalpha
•	•	•	•	•	•	rTRalpha
480					421	

FIG.3H

BY CLASS SUBCLASS MARTTEMAN

FIG.31

ВУ CLASS SUBCLASS DRAFTSMAN

	מפעעהן מו	עשוקה אסוטיי	and a second	EXDEXE.	a July Sand	5 2 2 2
VSSSTLRSVS	YPVLEYIPEN	GDLSSRRSDG	NTLVESWKSH	FOHLSSFPPV	SLSRSARDOS	hMR
DSEASQSPQY	YPPYLNYLRP	AVLKEGLPQV	NGLPQLGYQA	APALYPALGL	ASAAAAGA	hPR
.SSPPSSSST	V	GYSSPSMRPD	NFPGRTVFSN	DDNLTSLGTL	WNRCQGSG	hGR
DKGSKAMESA	GGRERLASTN	YRPNSDNRRQ	AGPPAF	NEPSGYTVRE	HGQQVPYYLE	hER
AGSVGGQGGL	GOPLLIPLSH	TGMLAQQSSL	LTQDGLASLH	PITVQACPQV	SVSPAQQTSV	hVDR
AQLYNRPHEE	PASPPYYSEK	QEYQSAIKVE	VADYKYDLKL	DIPFTRADPM	FSSISAPHYE	PPARgamma
DQLQMGC.DG	.SSPPSLL	•	•	LSRS	SSSYTD	hppARbeta
YPVVPGSVDE	.SSPSSVT	•	•	TDTLSPA	SCPGSDGSVI	PPARalpha
GLHCPPPPGG	DVKPPVLGVR	LPGGGSGPPE	SSPQINSTVS	.APPGFSGPV	PGLPPP	hRXRbeta
VLKVPAHPSG	DIKPPLGLNG	. PMNPVSSSE	GSPQLSS	.TTPTLGFST	HSMSVP	hRXRalpha
EEMVPSSPSP	LSVETQSTSS	QPDLPKEHAS	MLSPSFRGLG	ALR.GSPPFE	GAGFPFAFPG	hRARgamma
EEIVPSPPSP	AAIETQSSSS	SNHVASGAGE		•	•	hRARalpha
TEEKKCKGYI	QSVSSAQTFQ	FHLDHDDVND	LIQTTWISSI	LKN.EQSSPH	RKSHSERRST	hTRbeta
SGYI	•	•	LKTSM	RKN.GQCS	SARSPDGKRK	hTRalpha
SGYI	•	•	LKSSM	RKN.GQCP	SARSPDGKRK	rTRalpha
600					541	

FIG.3J

DRAFTSMAN CLASS SUBCLAS

DAMSTAARO

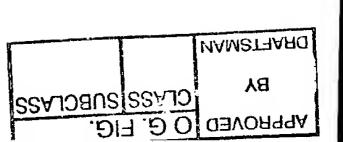
8人

CLASSISUBCLASS

FIG.3K

FIG.3L

n.A.K	אנייו	コヤス	ממת	her	hVDR	hPPARgamma	nPPARDeta	hPPARalpha	hRXRbeta	nexealpha	hRARgamma	hRARalpha	hTRbeta	hTRalpha	rTRalpha	
CTIDKFRR	CIIDKIRR	CIVUKIRR	CIIDKIRR	.QCTIDKNRR	LOMMOQTOTT	. NCRIHKKSR	. SCKIQKKNR	. SCKIQKKNR	. DCTVDKRQR	.DCLIDKRQR	. NCI INKVTR	.NCIINKVTR	.KCVIDKVTR	.CCVIDKITR	.CCVIDKITR	661
KNCPSCRLRK	KNCPACRLQK	KNCPACRLRK	KNCPACRYRK	KSCQACRLRK	AATTASIVQK	NKCQYCRFQK	NKCQYCRFQK	NKCQYCRFHK	NRCQYCRYQK	NRCQYCRYQK	NRCQYCRLQK	NRCQYCRLQK	NQCQECRFKK	NQCQLCRFKK	NQCQLCRFKK	
CYEAGHTLGA	CLQAGMNLGA	CCQAGMVLGG	CLQAGMNLEA	CYEVGMMKGG	ASEPSVSVAT	CLAVGMSHNA	CLALGMSHNA	CLSVGMSHNA	CLATGMKREA	CLAMGMKREA	CFEVGMSKEA	CFEVGMSKES	CIYVGMATDL	CIAVGMAMDL	CIAVGMAMDL	
	•	•	•	IRKDRRGGRM	LQTAGLSINP	IRFG	IRFG	IRFG	VQEERQRG	VQEERQRG	VRND	VRND	VLDDSKRLAK	VLDDSKRVAK	VLDDSKRVAK	
RKLKKLGNLK	RKSKKLGKLK	RKFKKFNKVR	RKTKKKIK	LKHKRQRDDG	AIISAASLGA	RMPOAEKEK	RMPEREKRK	RMPRSEKAK	KDK.DG	KDRNEN	· · · · · · · · RNK	RNK	RKLIEENREK	RKLIEQNRER	RKLIEQNRER	
	GIH EEQPQ	VVR ALDAV	GIQQATT.	EGR. GEVGS	QPQFISSLTT		LVAGLTAN	LKAEILTC	•				RRR EELOK	•	RRK EEMIR	720



721 minimal start site 725

NAMSTHARO

NΒ

hPR hMR hAR	hVDR hER hGR	hPPARbeta hPPARgamma	nkxkalpha hRXRbeta hPPARalpha	hRARalpha hRARgamma	rTRalpha hTRalpha hTRbeta
ALPC QQQB STTS			,		
ALPOPLGVPN QQQPPPPPPP STTSP	TPIITSAMSN AGDHRAANLW	EGSQYNPQVA DIDQLNPESA	NEDMPVERIL PEEMPVDRIL EHDJEDSETA	ECSESYTLTP GSPUSYELSP	SLQQRPEPTP SLQQRPEPTP SIGHKPEPTD
		DLKAFSKHIY DLRALAKHLY	_	_	P EEWDLIHVAT P EEWDLIHIAT P EEWELIKTVT
FSPGQDIQLI IAPAKEPSVN VSHIEGYECQ		NAYLKNEN.H	-		C EAHRSTNAQG C EAHRSTNAQG
PPLINTALVPQLSTI	PLLVNPASLA DQHVSALLDA PTLVS	TKKKARVILS TKKKARSILT		_	SHWKQRRKFL SHWKQRRKFL
SRALTPSPVM		GKASHTAPFV GKASHTAPFV	SP.		PDDIGQSPIV
44		•			780

FIG.3M

nak EAIEPGVVCA					hVDR QGLQVQTVAP		•	·		hRXRalpha	hRARgamma	hRARalpha	nTRbeta	hTRalpha	rTRalpha	
GHDNNQPDSF			-		_						0.10	SLD	NAPEGGKVD	SMPDGDKVD	SMPDGDKVD	
AALLSSLNEL	ENLLSTLNRL	SSLLTSLNQL	WRIMTTLNML	ASMMGLLTNL	IATIGNGPTA	IRIFQCCQFR	VHVFYRCQCT	VRIFHCCQCT	A	A	LGLWDKFSEL	IDLWDKFSEL	LEAFSHFTKI	LEAFSEFTKI	LEAFSEFTKI	
GERQLVHVVK	AGKQHIQVVK	GERQLLSVVK	GGRQVIAAVK	ADRELVHMIN	AIPSTASVLP	SVEAVQEITE	TVETVRELTE	SVETVIELTE	ADKQLFTLVE	ADKQLFTLVE	ATKCIIKIVE	STKCIIKTVE	ITPAITRVVD	ITPAITRVVD	ITPAITRVVD	
WAKALPGFRN	WAKVLPGFKN	WSKSLPGFRN	WAKAIPGFRN	WAKRVPGFVD	KATVPLTLTK	YAKNIPGFIN	FAKSIPSFSS	FAKAIPAFAN	WAKRIPHFSS	WAKRIPHFSE	FAKRLPGFTG	FAKQLPGFTT	FAKKLPHFCE	FAKKLPMFSE	FAKKLPHFSE	
LHVDDQMAVI	LPLEDQITLI	LHIDDQITLI	LHLDDQMTLL	LTLHDQVHLL	TTTQGPVGKV	LDLNDQVTLL	LFLNDQVTLL	LDLNDQVTLL	TPLDDQVILL	THINDGATH	LSIADQITLL	LTIADQITLL	LPCEDQIILL	LPCEDQIILL	LPCEDQIILL	040

FIG.3N

OCVRMRHLSO	KSRMYS	LVFNEYRMH.	NSRMLYFAPD	AMGWRSFTNV	QYSWMGLMVF	hAR
LCOCMHOISE	OSAMYE	LVENEEKMH.	NSQFLYFAPD	ALSWRSYKHT	QYSWMCLSSF	hMR
LCLTMWOTPO	ESSFYS	LILNEQRAK.	SGQMLYFAPD	GLGWRSYKHV	QYSWMSLMVF	hPR
QCKHMLYVSS	LPCHYD	LIINEQRHT.	SANLLCFAPD	ALGWRSYRQS	QYSWMFLMAF	hGR
FDMLLAT.SS	CVEGHVEI	LLLDRNQGK.	HPGKLLFAPN	GLVWRSME	ECAWLEILMI	nek
NLEEIREFAK	PSAVKDEEAI	MPTVGQLVNK	TAAGVIACGE	PSVVKPVTSL	APSKVIIAPQ	hVDR
FMEPKFEFAU	SLRKPFGD	F.MTREFLK.	DGVLISEGQG	MLASLMNK	KYGVHEIIYT	hPPARgamma
IIEPKFEFAV	SLRKPFSD	F.VTREFLR.	DGLLVANGSG	MLASIVNK	KYGVHEAIFA	hPPARbeta
IMEPKFDFAM	SLRKPFCD	F. ITREFLK.	DCKLVAYGNG	MLSSVMNK	KYGVYEAIFA	nPPARalpha
FDRVLTELVS	S.AGVGAI	LHVHRNSAH.	VRDGILLATG	SFSHRSID	RAGWNELLIA	hRXRbeta
FDRVLTELVS	S.AGVGAI	LHVHRNSAH.	VKDGILLATG	SFSHRSIA	RAGWNELLIA	nkxkalpha
LTDLVFAFAG	NAGFGP	LTLNRTQMH.	EQDIMITSDG	RICTRYTP	KAACLDILML	hRARgamma
LTDLVFAFAN	NAGFGP	LTLNRTQMH.	EQDIMITSDG	RICTRYTP	KAACLDILIL	nkakalpha
VSDAIFDLGH	NGGLGV	MAVIRGQLK.	ESETLTLNGE	RAAVRYDP	KGCCMEIMSL	hTRbeta
VSDAIFELGK	NGGLGV	MAVKREQLK.	ESDILILSGE	RAAVRYDP	KGCCMEIMSL	hTRalpha
VSDAIFELGK	NGGLGV	HTVKRKQLK.	ESDTLTLSGE	RAAVRYDP	KGCCMEIMSL	rTRalpha
900					841	

תאגא	L'A	אַם אַ	ממא	המא	かりな	nPPARgamma	nrrakbeta	hphanalpha	nkakbeta	HANALDIA	havaslaha	hRARaipna	hTRbeta	hTRalpha	rTRalpha	
EFGWLQITPQ		OF VALUE OF THE	SECRIOUSOS SECRETARIOS SE	AT KULINLYGE	NEK I RRESEG				-	KMRUMQMUKT	CLUSTEMBET	QLLPLEMDDA	SLSSENLDDT	SLSAFNLDDT	SLSAFNLDDT	901
EFLCMKALLL	EXTIMEVELL	EFICHKYLLL		_	LTQTQVGQAL	DLAIFIAVII	DLALFIAAII	DISLEVAAII	ELGCLRAIIL	ELGCLRAIVL	ETGLLSAICL	ETGILSAICL	EVALLQAVIL	EVALLQAVLL	EVALLQAVIL	
FSI	LST		•	GVYTFLS	_	LSGD	LCGD	CCGD	FNPDA	FNPDS	ICGD	ICGD	MSSD	MSTD	MSTD	
I PVDGLKNQK I	IPKDGLKSQA /				SAICRFEKLD	RPGLLNVK	RPGLMNVP	RPGLLNVG	KGLSNPS	KGLSNPA	RMDLEEPE	RQDLEQPD	RPGLACVE	RSGLLCVD	RSGLLCVD	
FFDELRMNYI	AFEEMRTNYI	QFEEMRSSYI	LFDEIRMTYI	HIHRVLDKIT	ITPKSAQKLK	PIEDIQDNLL	RVEAIQDTIL	HIEKMQEGIV	EVEVLREKVY	EVEALREKVY	KVDKLQEPLL	RVDMLQEPLL	RIEKYQDSFL	KIEKSQEAYL	KIEKSQEAYL	
KELDRIIACK	KELRKHVIKC	RELIKAIGLR	KELGKAIVKR	DTLIHLMAKA	PVLERWLAEA	•	RALEFHL	HVLRLHL	ASLETYC	ASLEAYC	EALRLYA	EALKVYV	•	•	LAFEHYV	9 %

BY CLASS SUBCLASS NARTHARD

FIG.30

socr: <5> hPPARgamma hPPARalpha hPPARbeta hRXRalpha hRARgamma hRARalpha hRXRbeta hTRalpha rTRalpha hTRbeta hVDR hAR **hMR** hPR hER hGR SVQVPKILSG SDQLHKVESG AAQLEKILAG TNOIPKYSNG DAHRIHAPTS YDREWVRVWF KDLY-|.... KDMY. EAPHQLA... RDMY. EAPHOMT... ENPEMFEDDS ENSECLDILS ED...|.... EDQEVI.... EDQEV.... 1021 minimal end site 1025 KVKPIYFHTQ NAKPLYFHRK MVKPLLFHKK NIKKLLFHQK RGGASVEETD CNRRQTLKNT SQPGPHPNAS **GQPGGGGRDG QSHLATAGST** SKINVFQSQ. SEDEVPGGQG • • • • • • • • GGLAPPPGSC SSHSLQKYYI SPSLSPSSNR GGLKSPA.. 1071

FIG.3R

DRAFTSMAN CLASS SUBCLASS

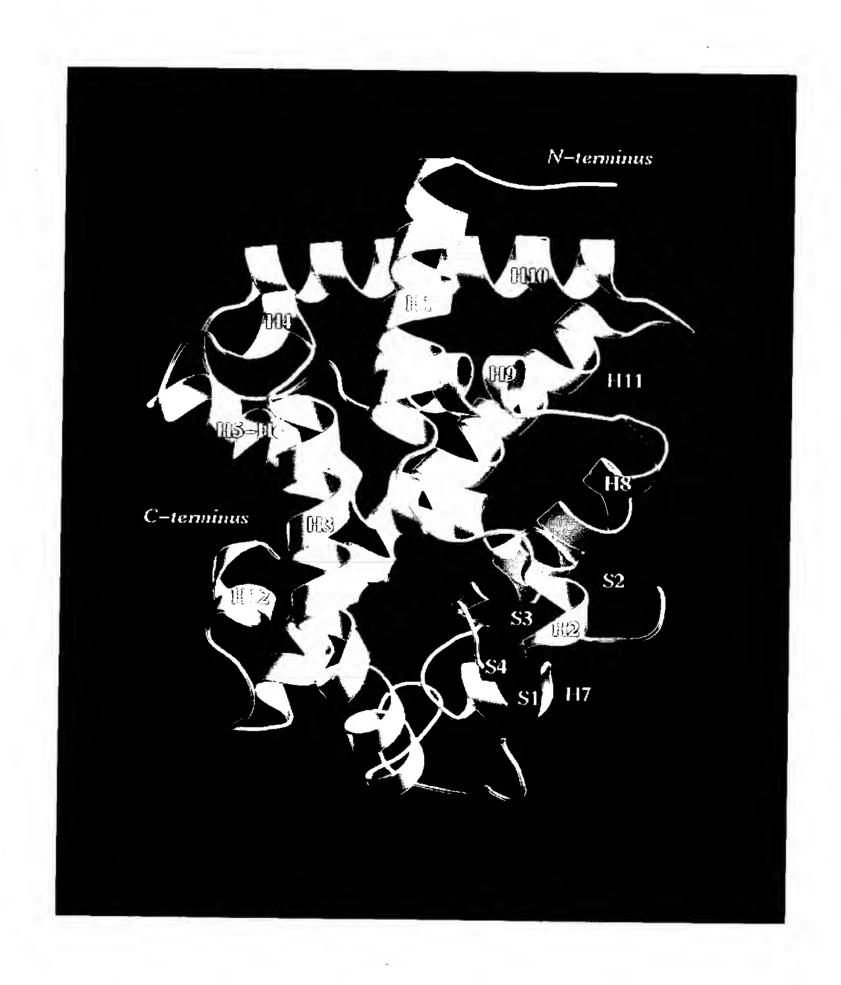
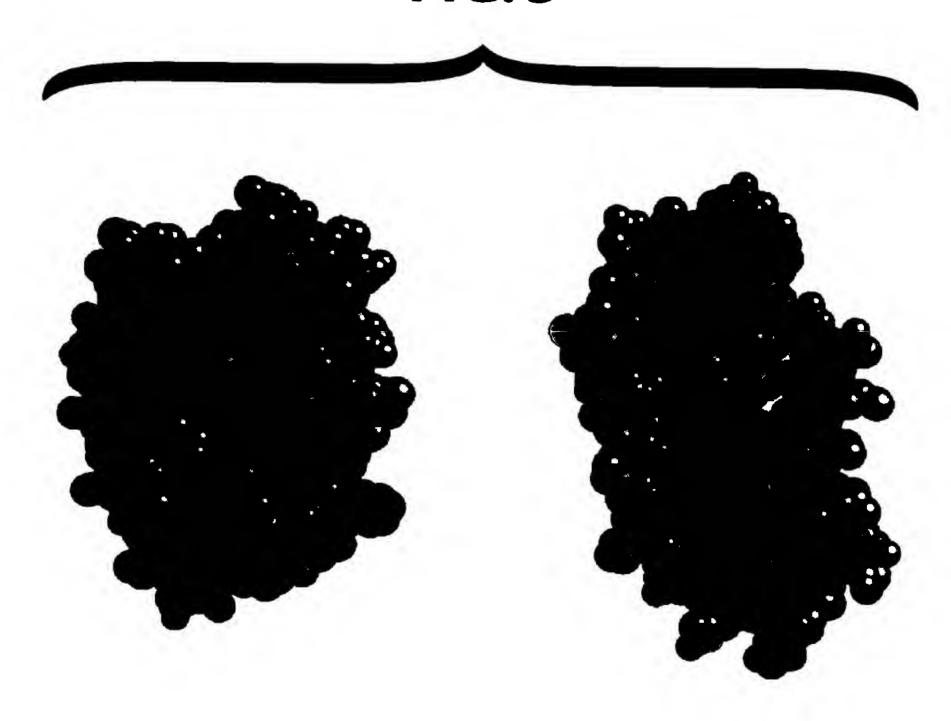


FIG. 4

FIG. 5



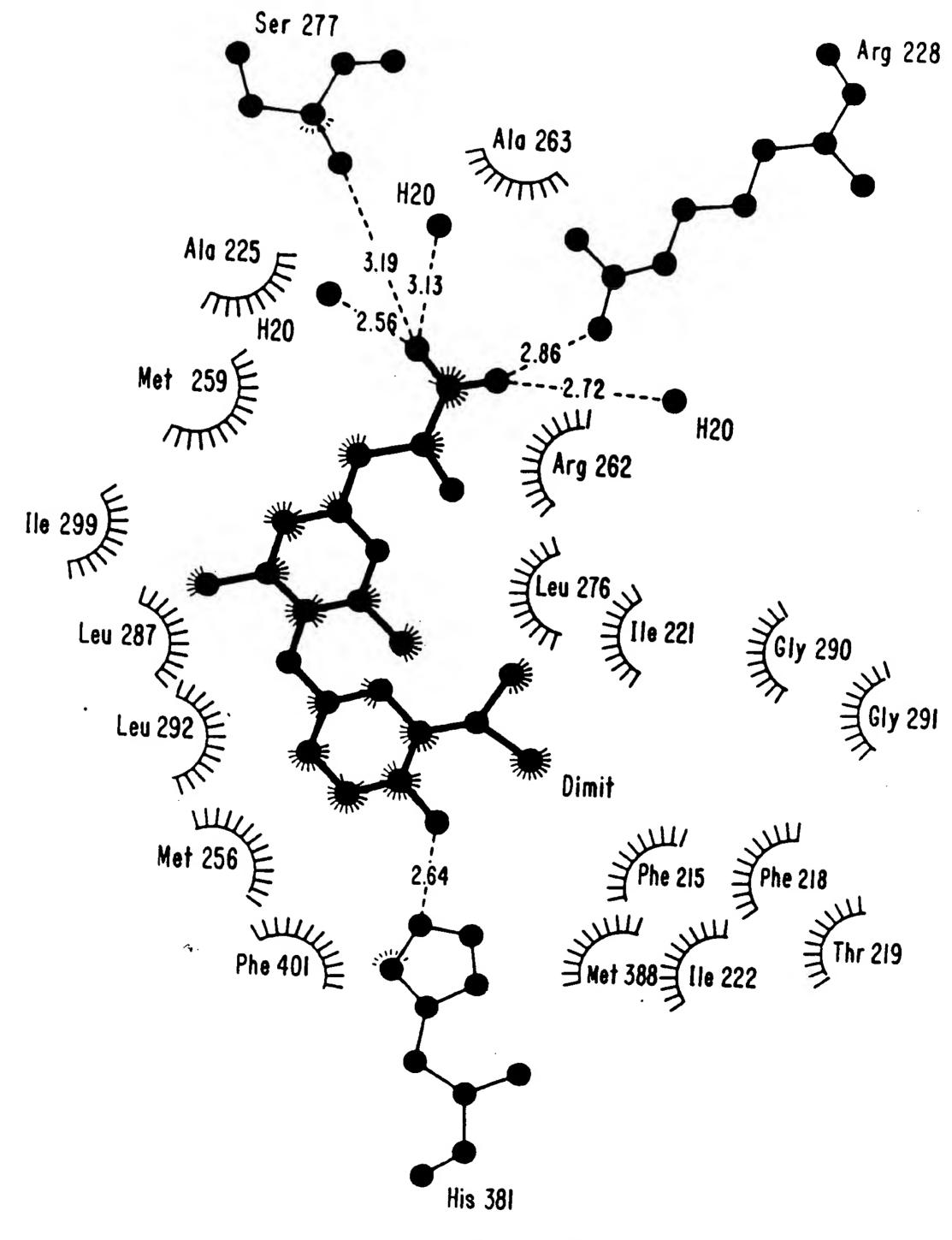


FIG.6



FIG. 7



FIG. 8

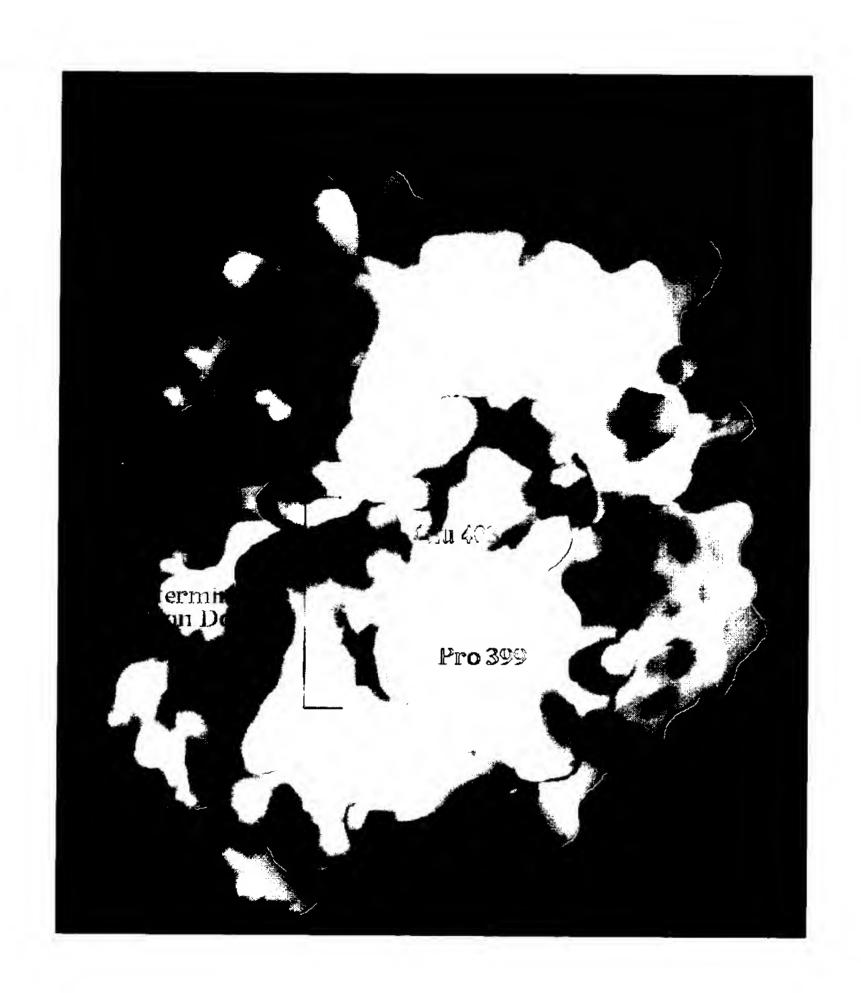


FIG. 9

∺

<u>AGONISTS</u>

CO2H

Retinoic Acid

Diethylstilbestrol

Progesterone

ANTAGONISTS

TamoxIfen

NH₂
CO₂H
RCOX

Compound	RCOX
TSI	Ph2CHCO2NHS
TS2	C ₁₆ H ₃₃ CO ₂ NHS
TS3	FMOC-CI
TS4	tB0C ₂ 0
TS5	tB0C20

O NH CO₂H
OH
TS-5

$$0_2N \longrightarrow N = C = 0$$

$$\begin{array}{c} & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$$

FIG.12

TFA

Ph₂CHNH₂ TBTU, Et₃N

LC02H

FIG. 13

1.
$$nC_8 H_{17} MgX$$
2. H_{2} , Pd
3. H_{2}

FIG. 14A

C02CH3

Cu, Et3N, CH2Cl2

NHCOCF3

FIG. 14B

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$$

$$\begin{array}{c|c}
0_2N & & & \\
N & & & \\
N & & & \\
& & & \\
& & & \\
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& & & \\
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& & & \\
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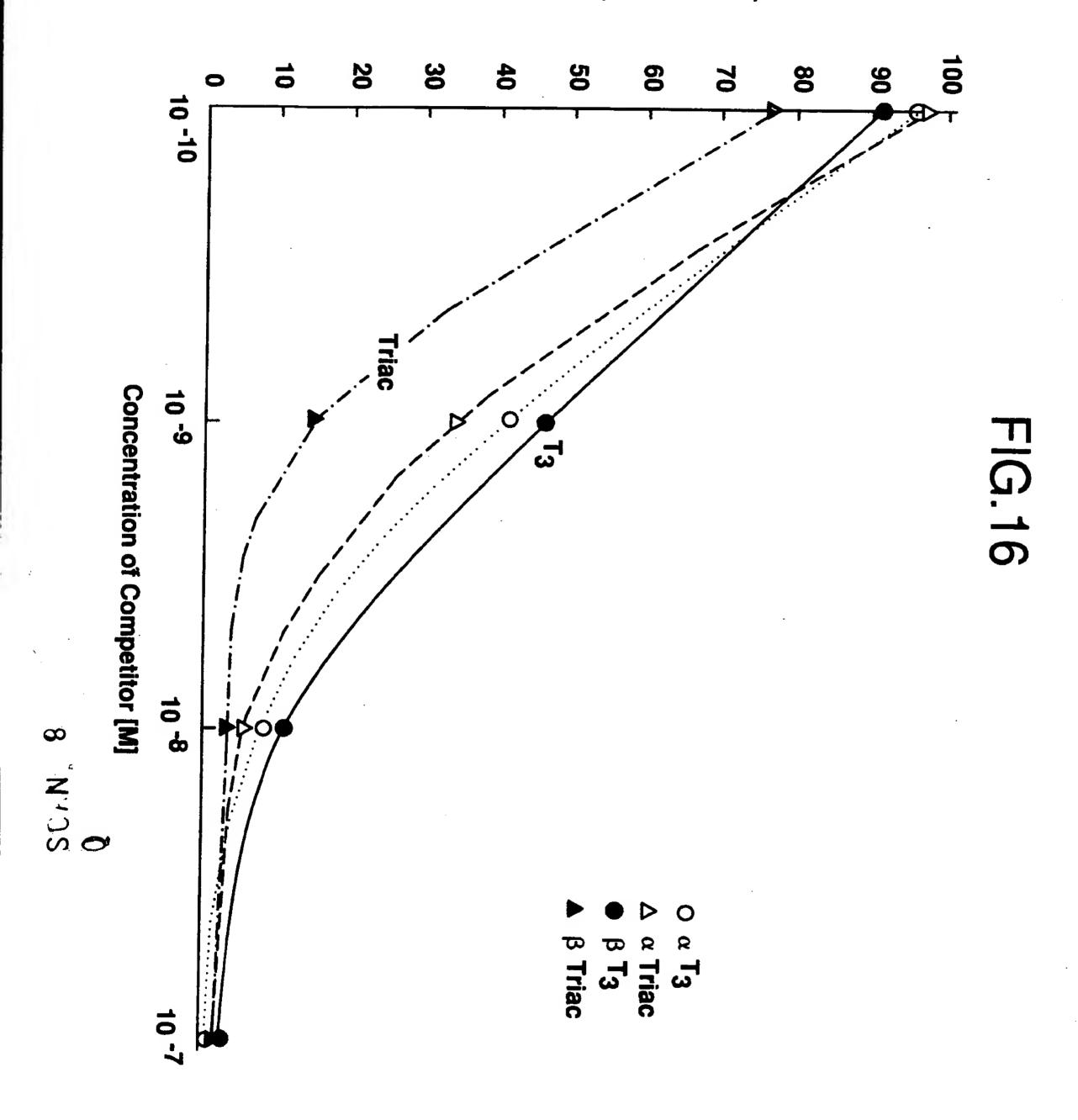
TS-6

HO
$$\longrightarrow$$
 $O \longrightarrow$ $O \longrightarrow$

$$\begin{array}{c|c}
 & \text{NH}_2 \\
 & \text{HO} \\
 & \text{HO} \\
 & \text{IS-IO} \\
\end{array}$$

FIG.15

[¹²⁵I]T3 Bound (% of control)



DRAFTSMAN CLÁSS SUBCLASS

FIG.17A

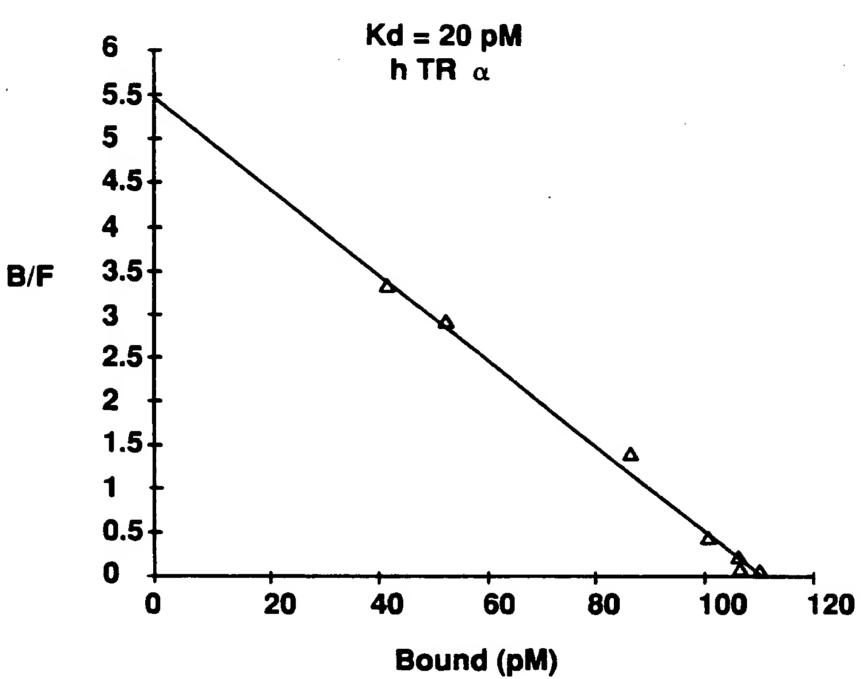
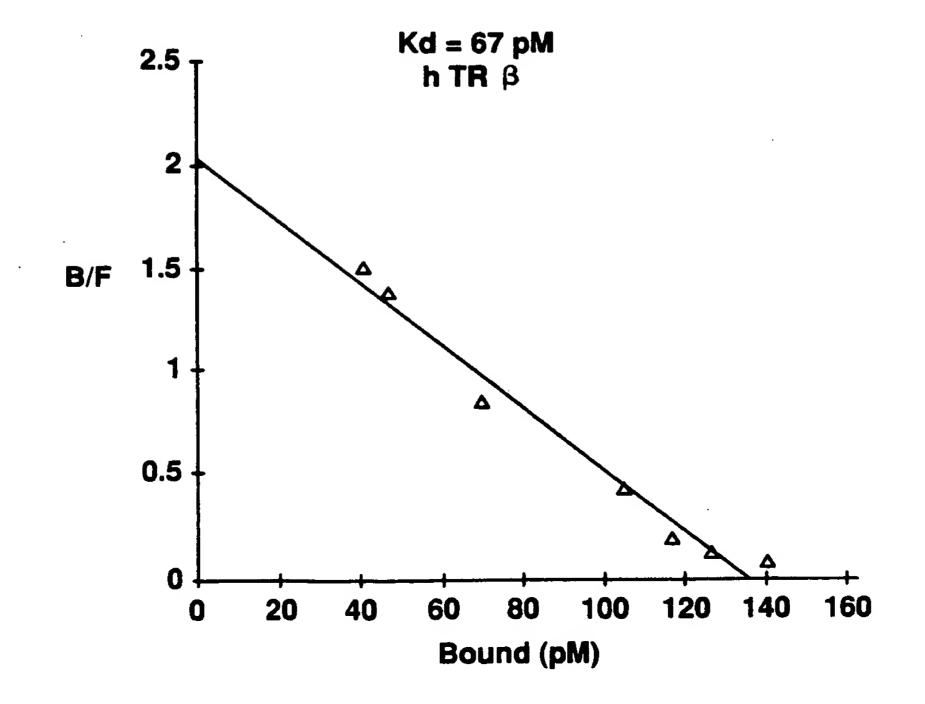
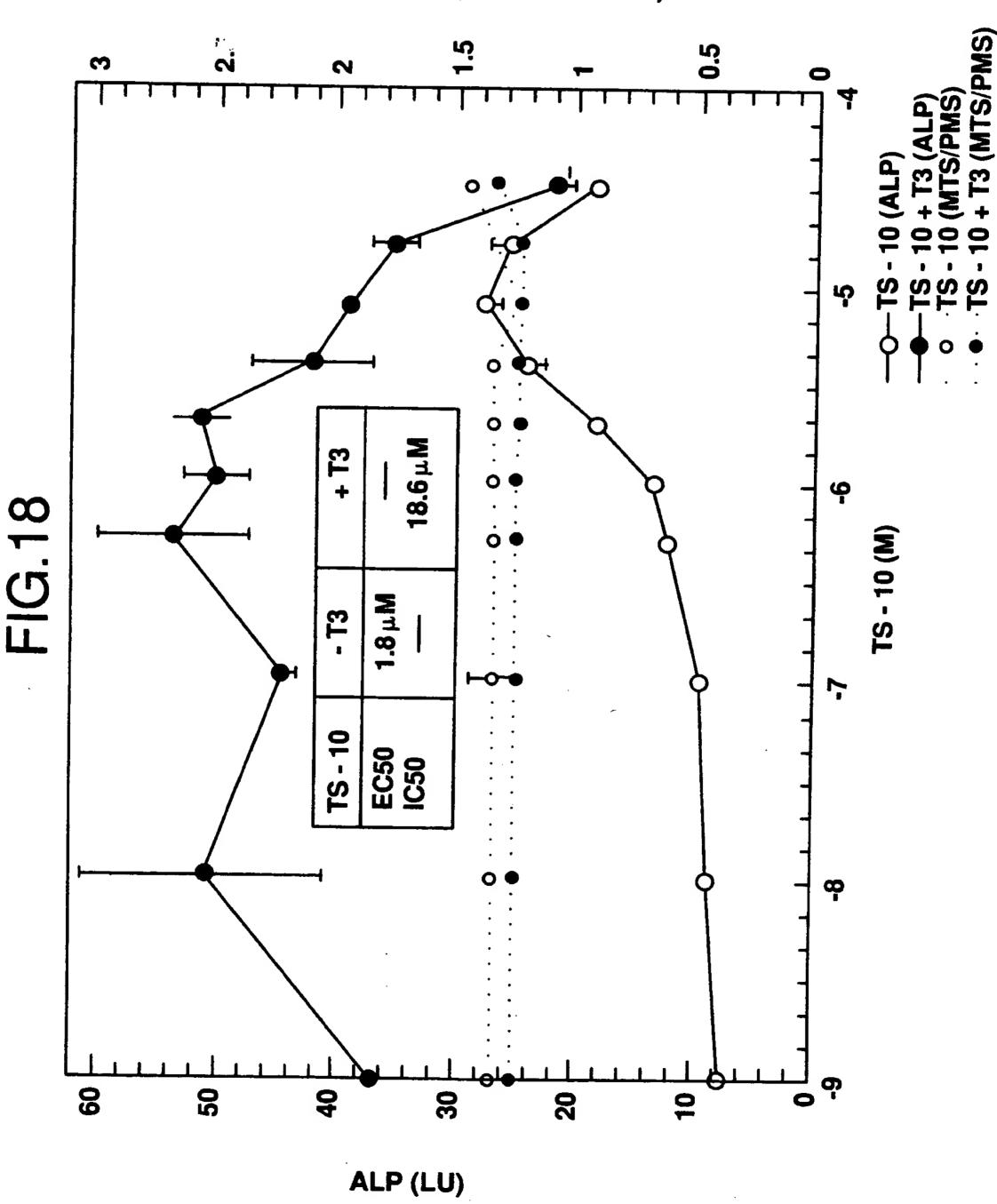


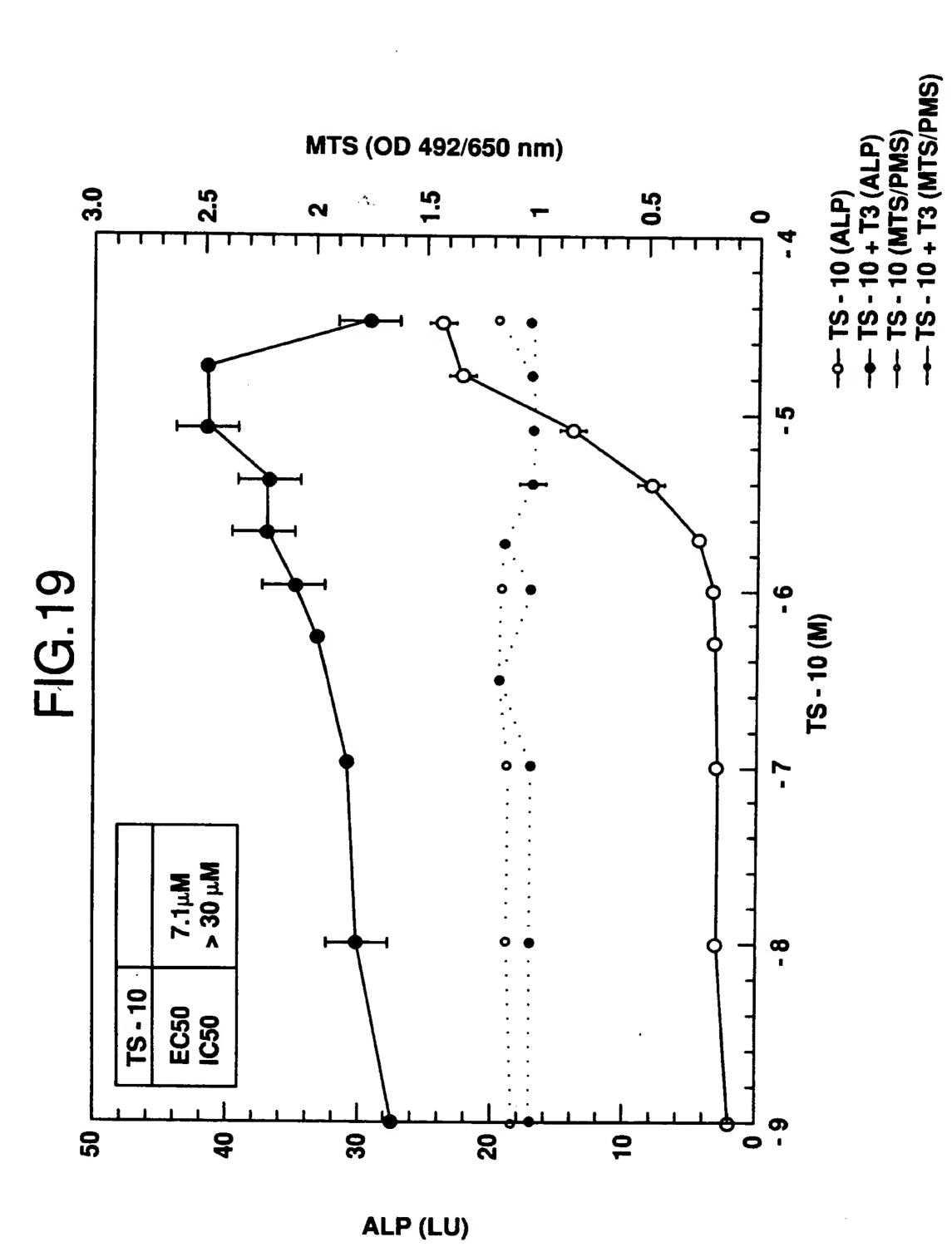
FIG.17B

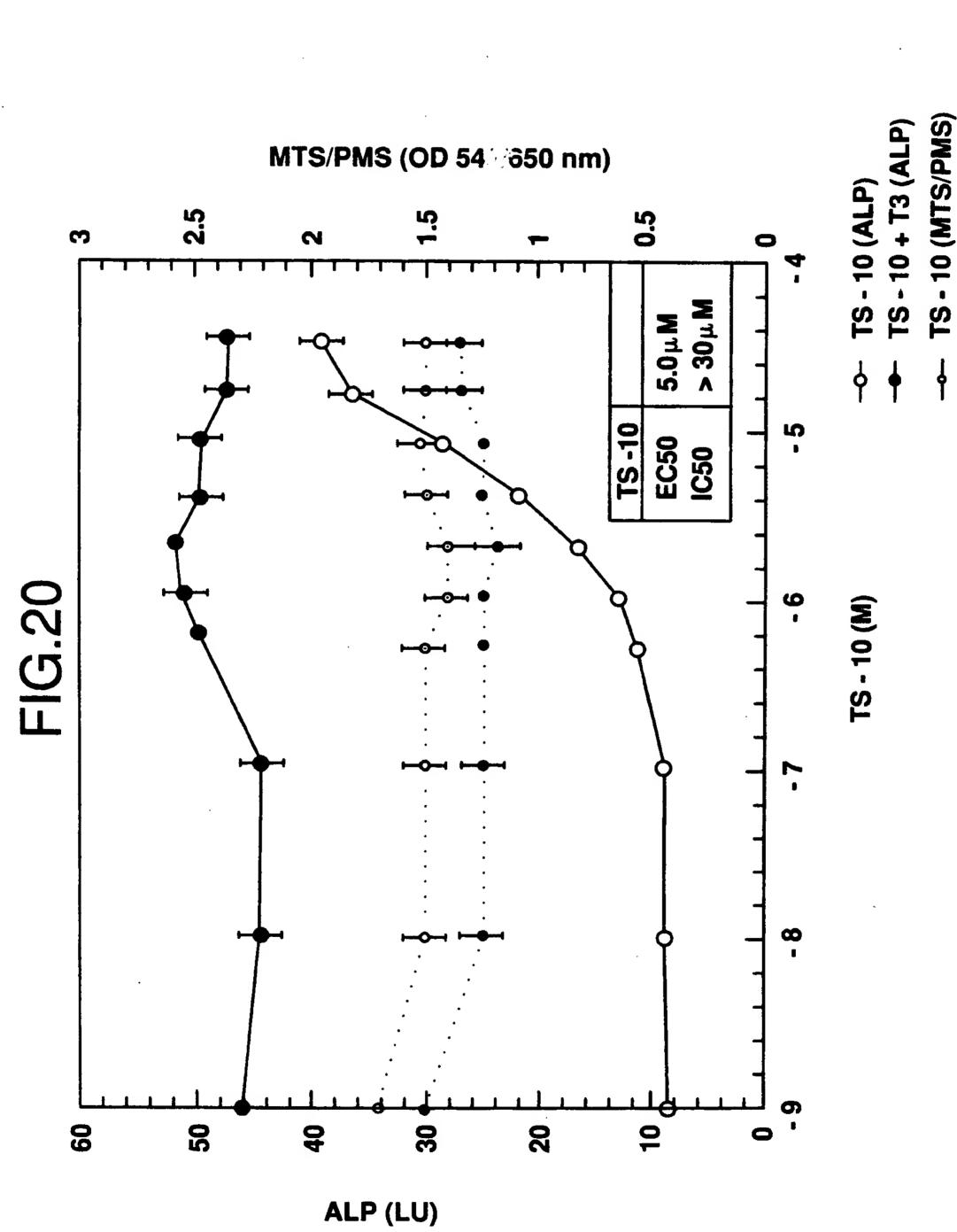


Constitution of the second of

MTS/PMS (OD 492/650 nm)







TS - 10 + T3 (MTS/PMS)



"AFTS I.

FIG. 21

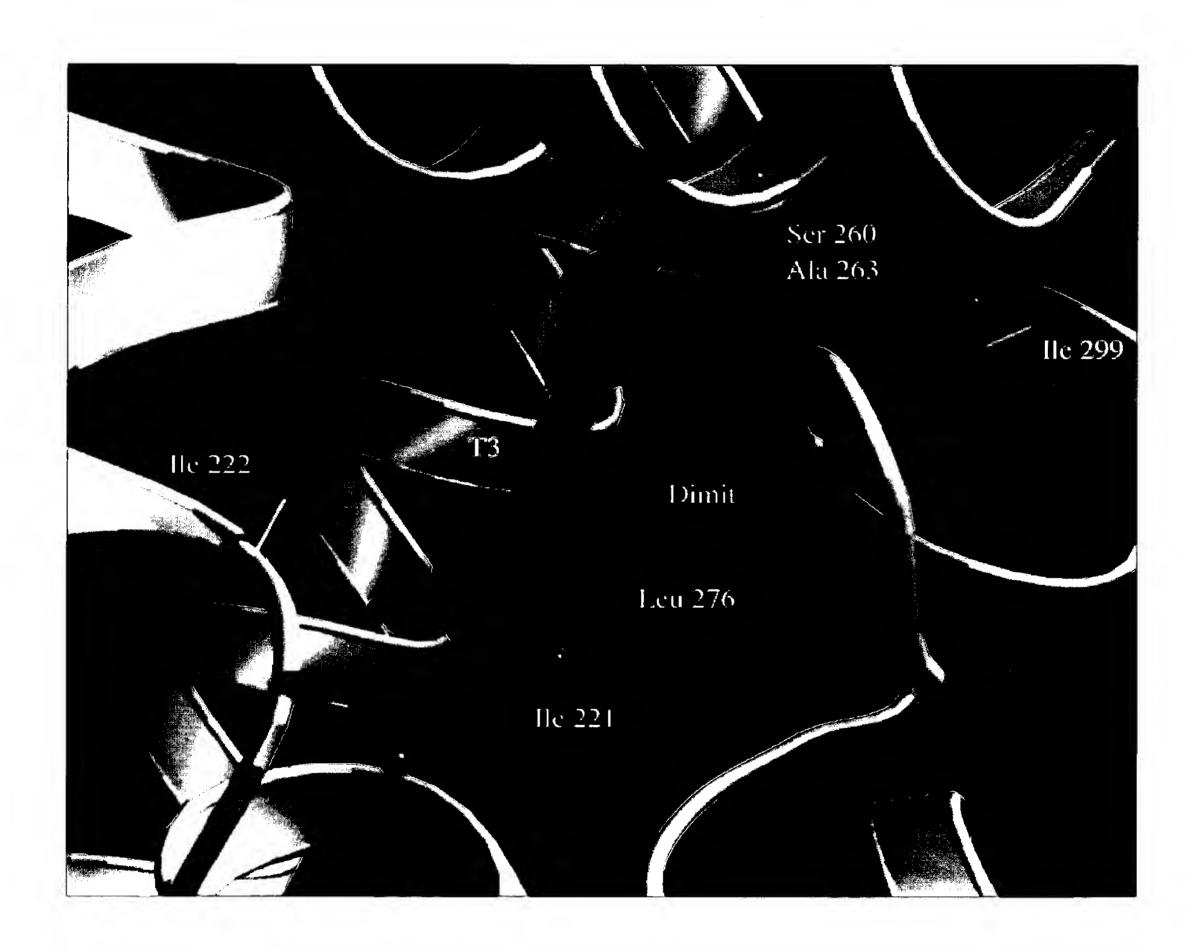


FIG. 22

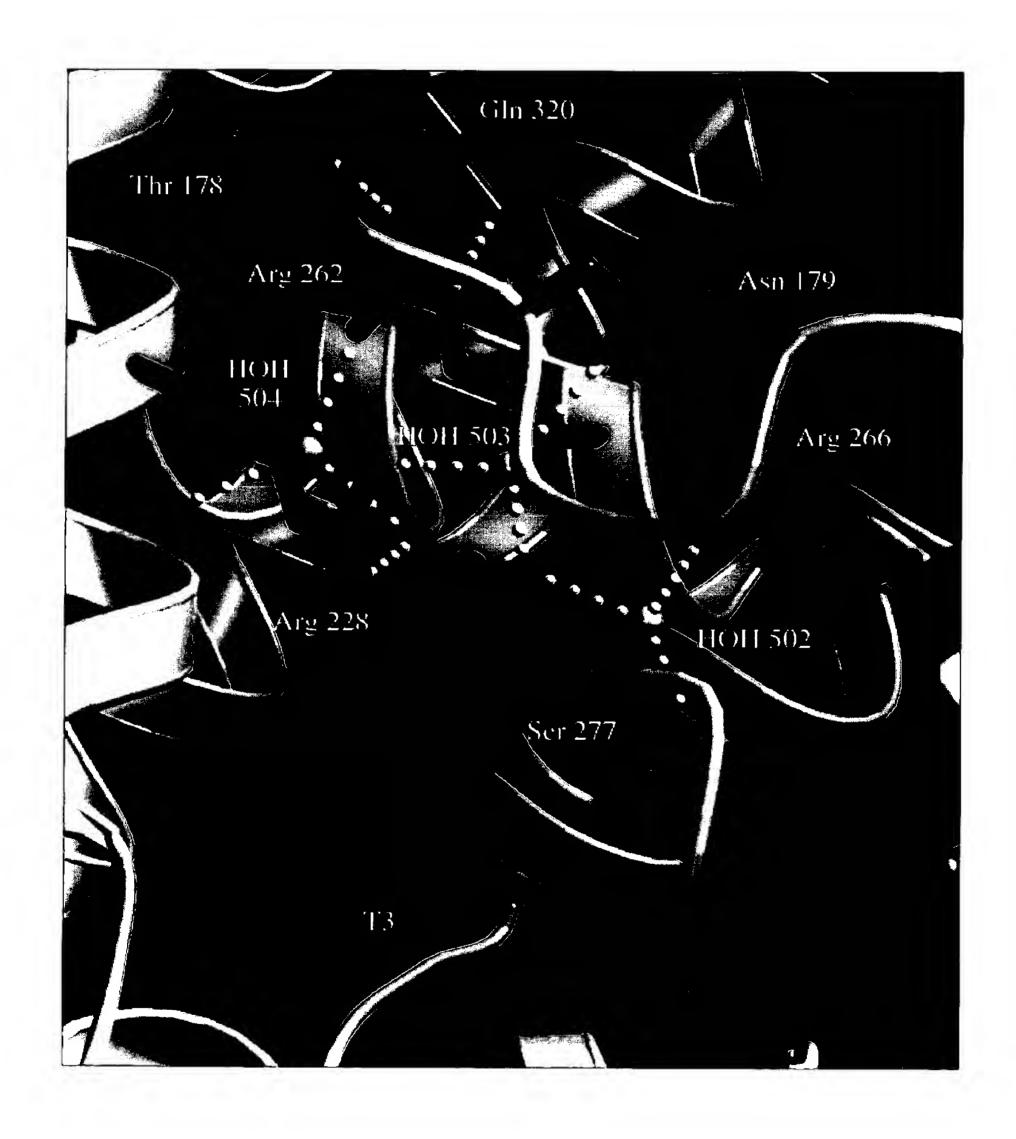


FIG. 23

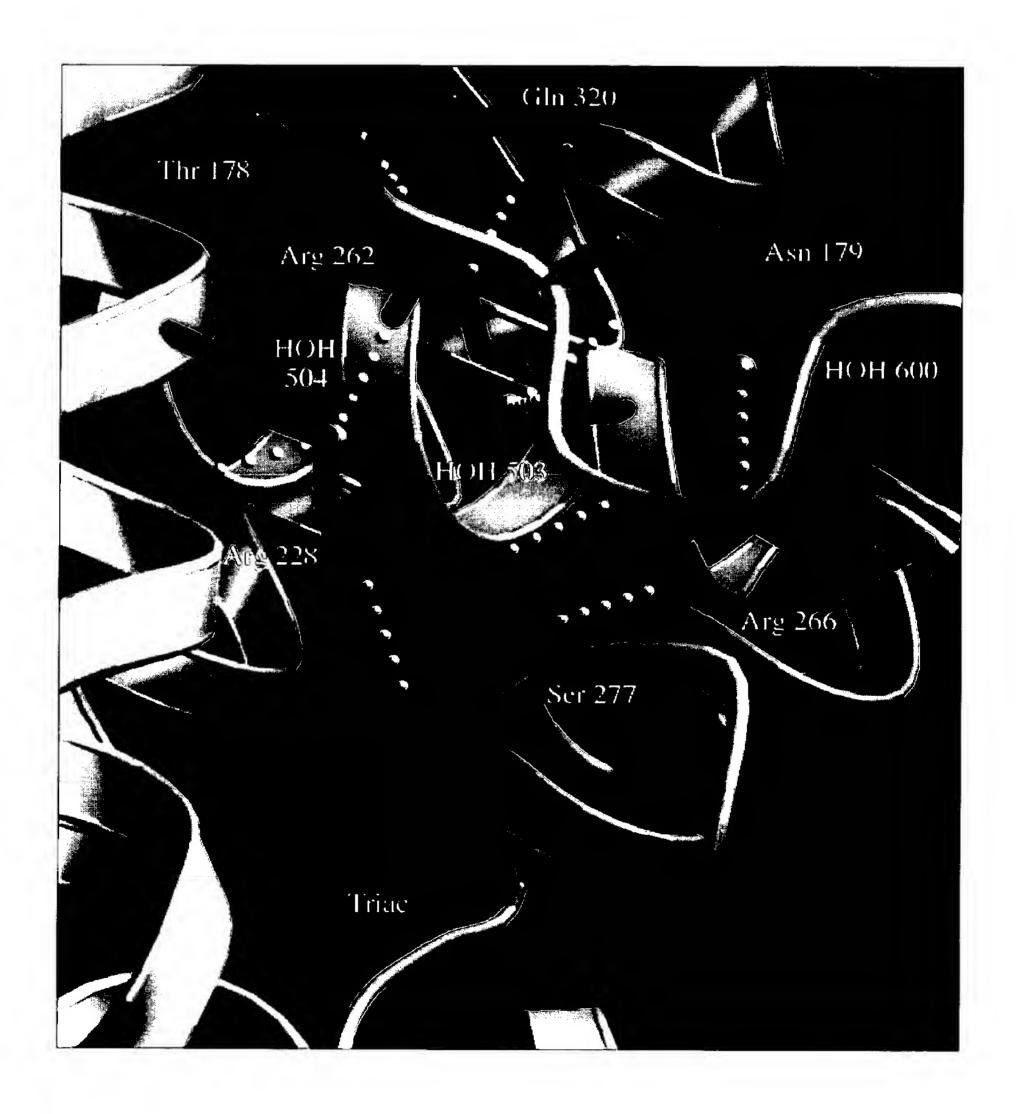


FIG. 24

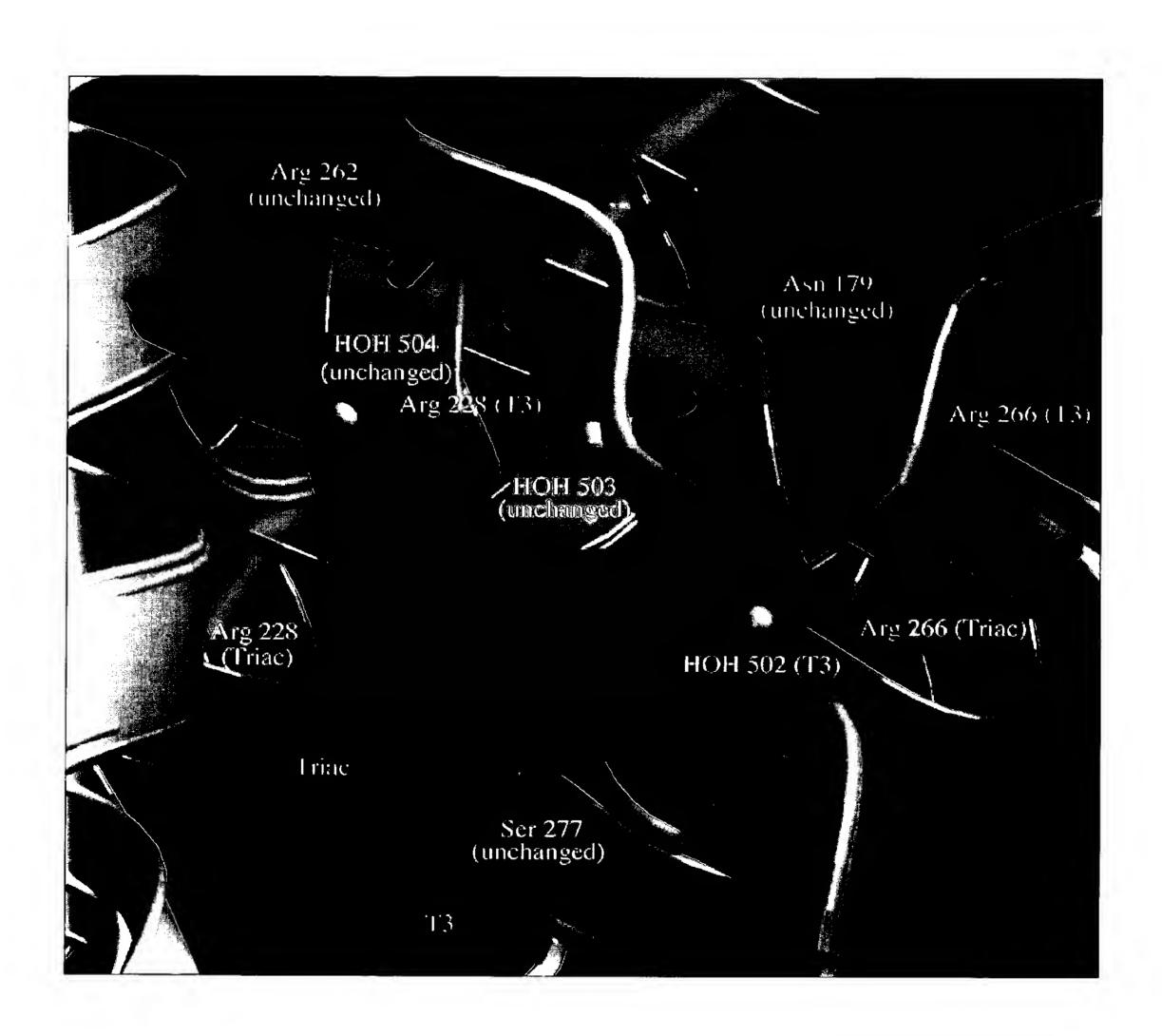


FIG. 25

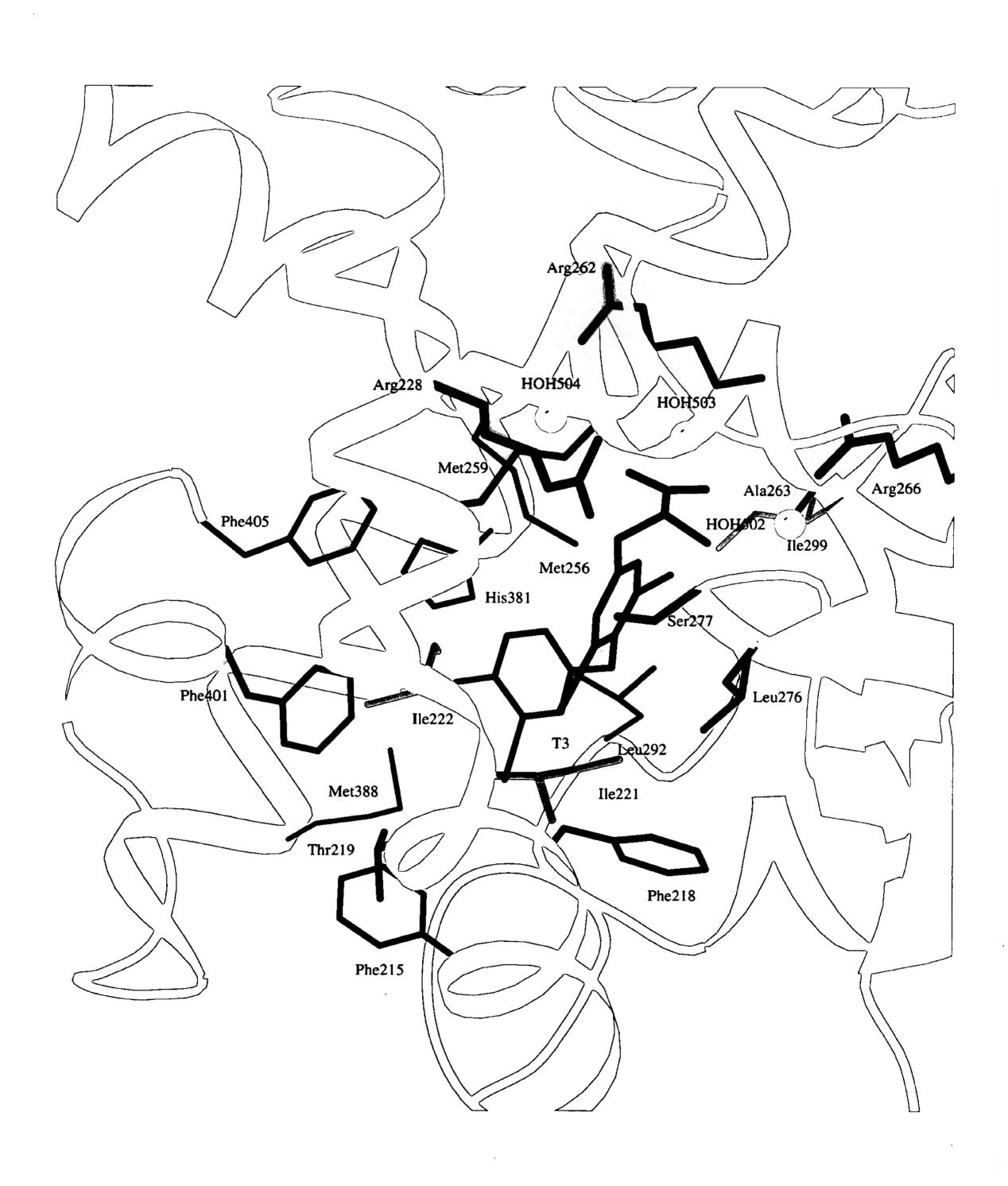


FIG. 26A

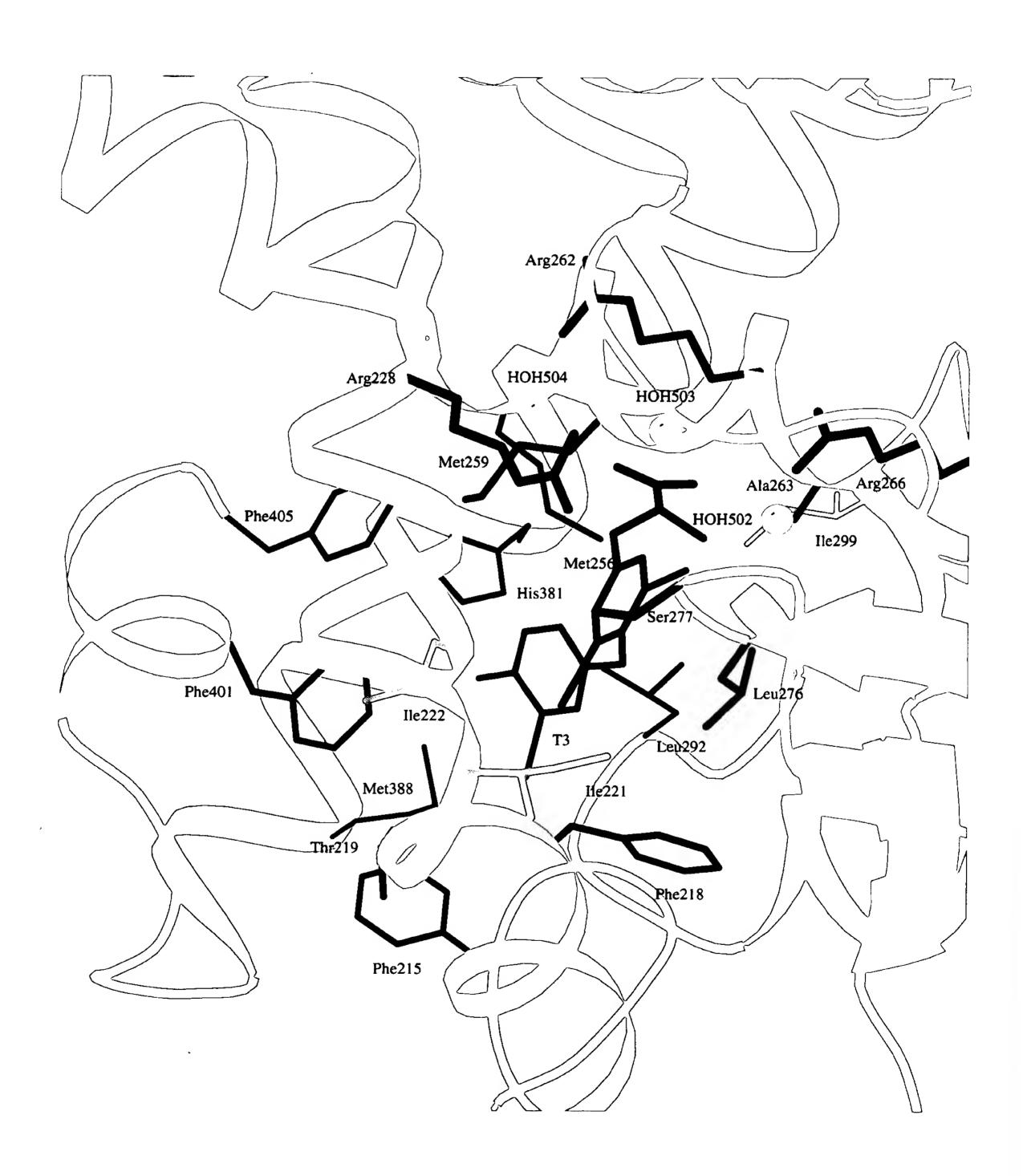
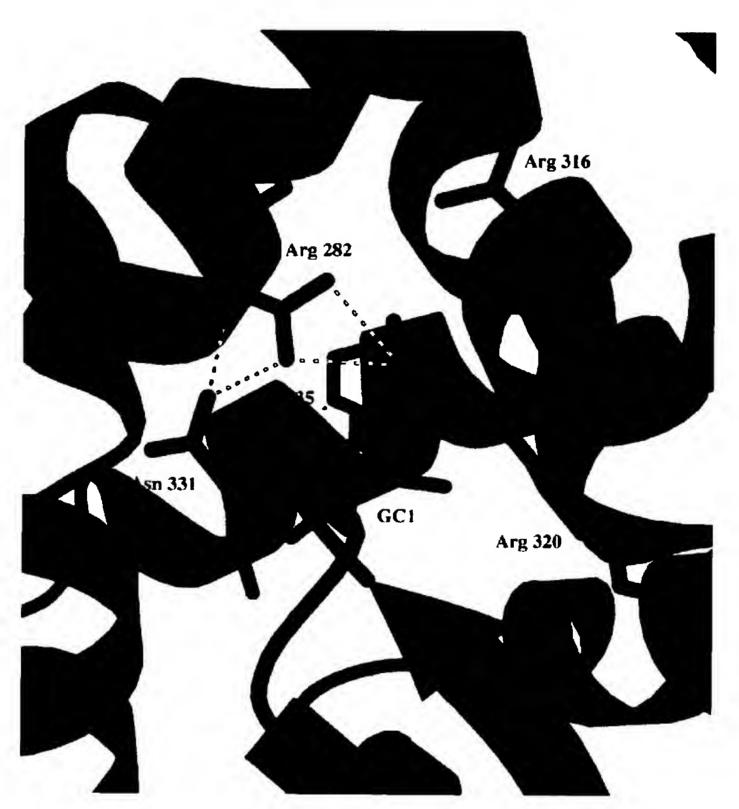
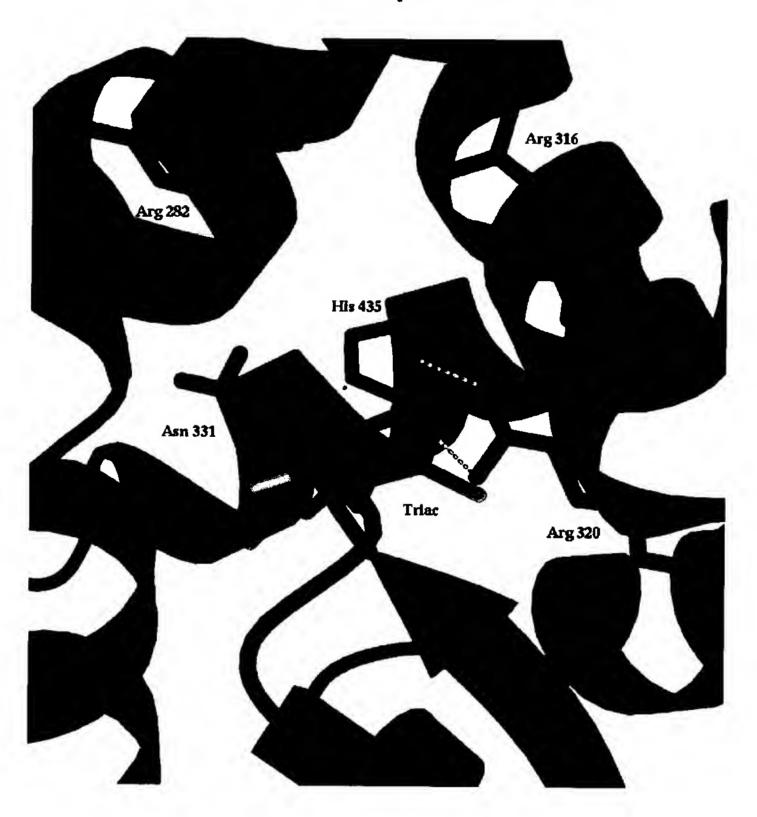


FIG. 26B

Thyroid Hormone Receptor Beta with GC1



Thyroid Hormone Receptor Beta with Triac



-TSMA

Structural Differences Between TR-b with GC1 and TR-a with Dimit



Structural Differences between TR LBD isoforms with Triac

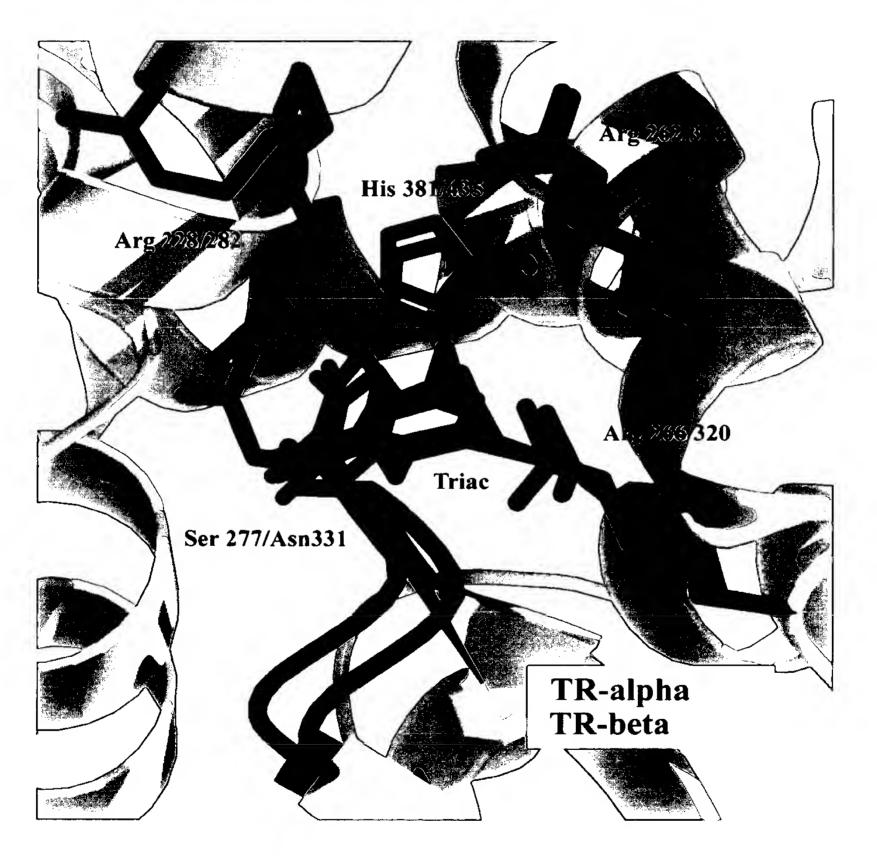
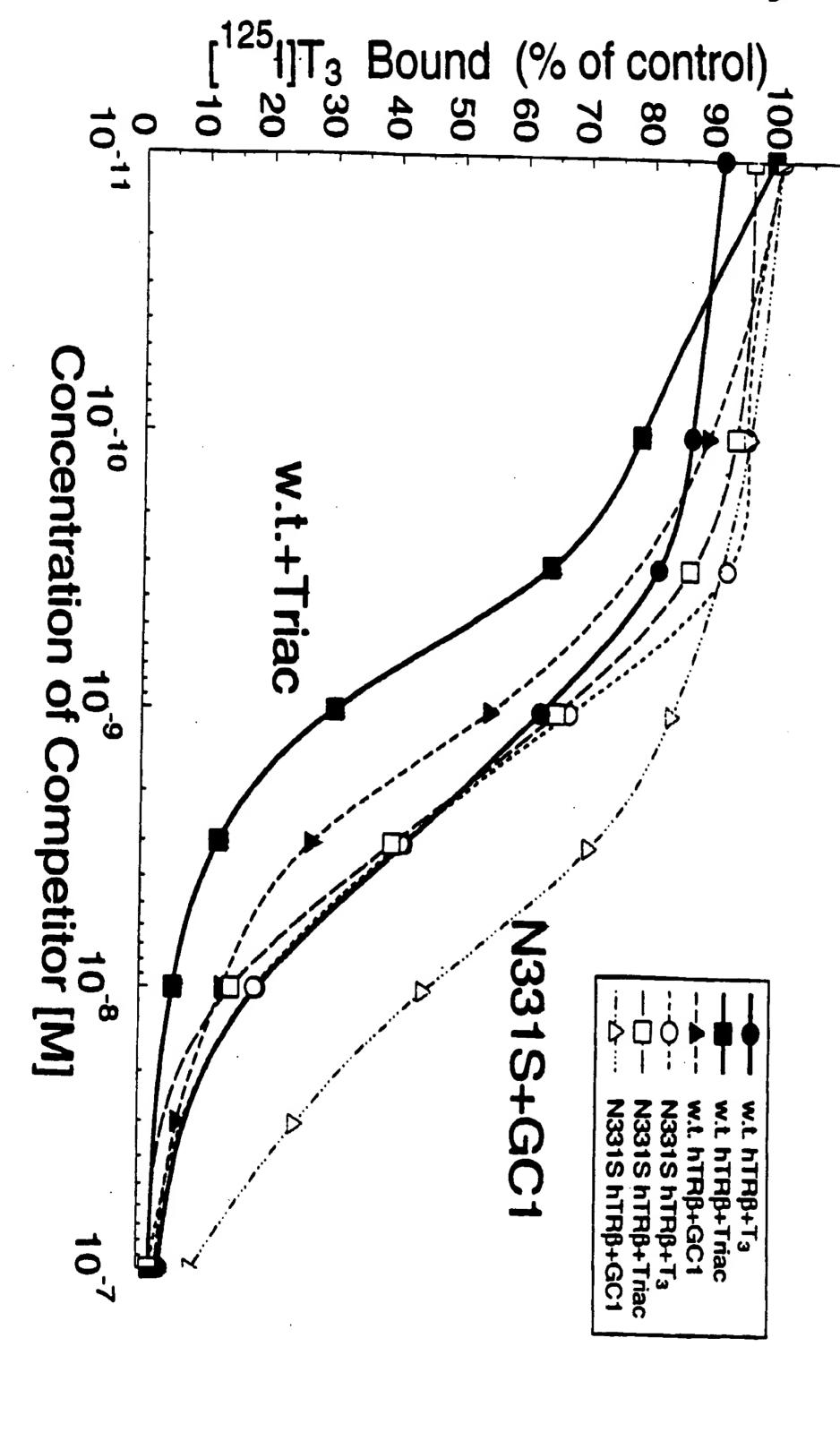


FIG.31

Competition by T_3 , Triac & GC1 for $\begin{bmatrix} ^{125} \\ 1 \end{bmatrix} T_3$ binding to wild type and N331S hTReta



PPPHOVED (O.G. FIG.

BY CLASS SUBCLASS
MARTTEMAN





Atomic Numbering for Thyronine-like Ligands

Ligand	R1	R3	R5	X	R3'	R4'
Dimit	amino propionic	C19	C20	O2	iPr	O1
IpBr ₂	amino propionic	BR1	BR2	O2	iPr	O 1
T ₃	amino propionic	I1	13	O2	I2	O 1
Triac	acetic acid	I1	13	O2	I2	O 1
GC1	oxyacetic acid	C19	C20	C21	iPr	01

amino propionic acid

acetic acid

oxyacetic acid

isopropyl

FIG.32

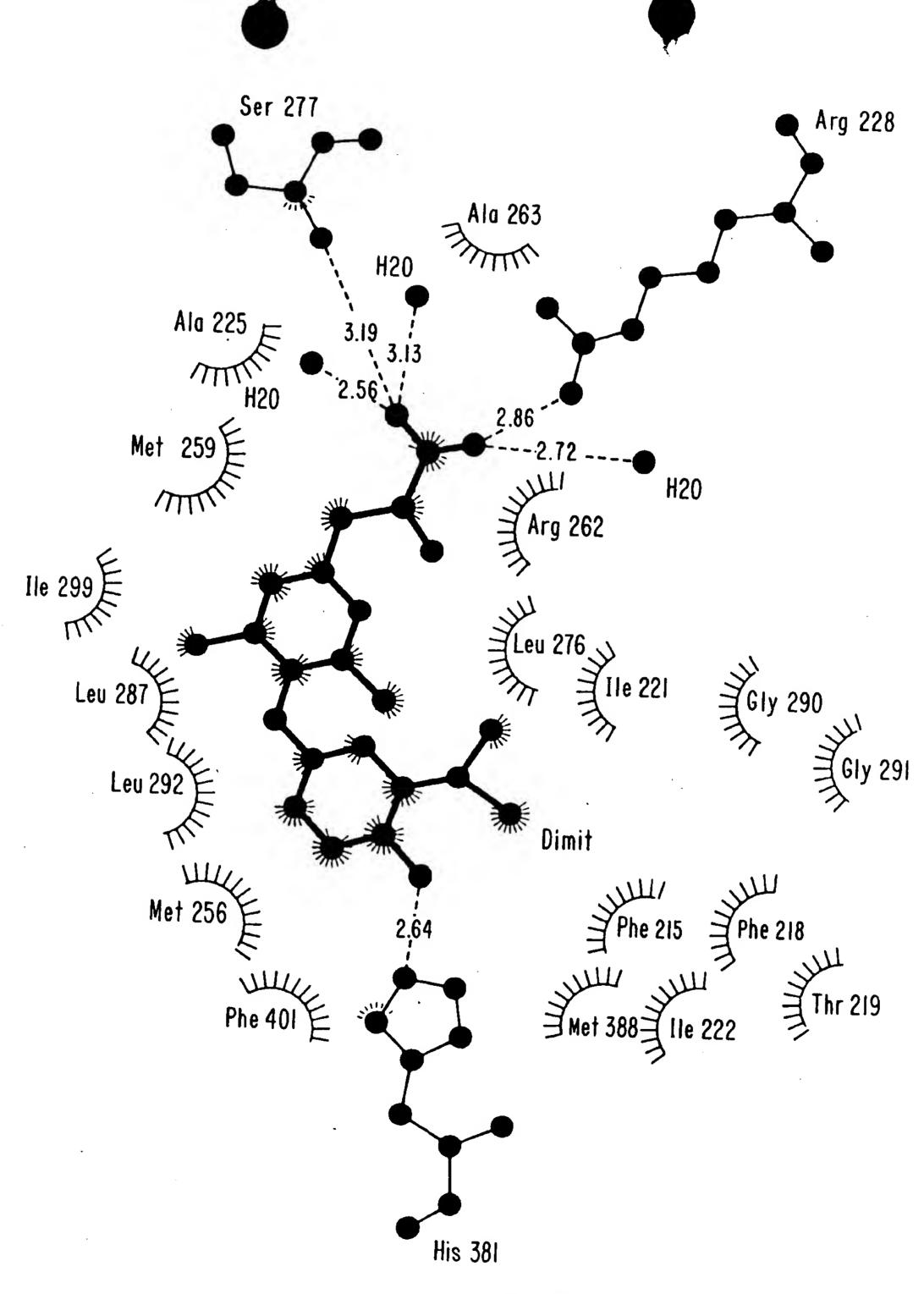


FIG.6

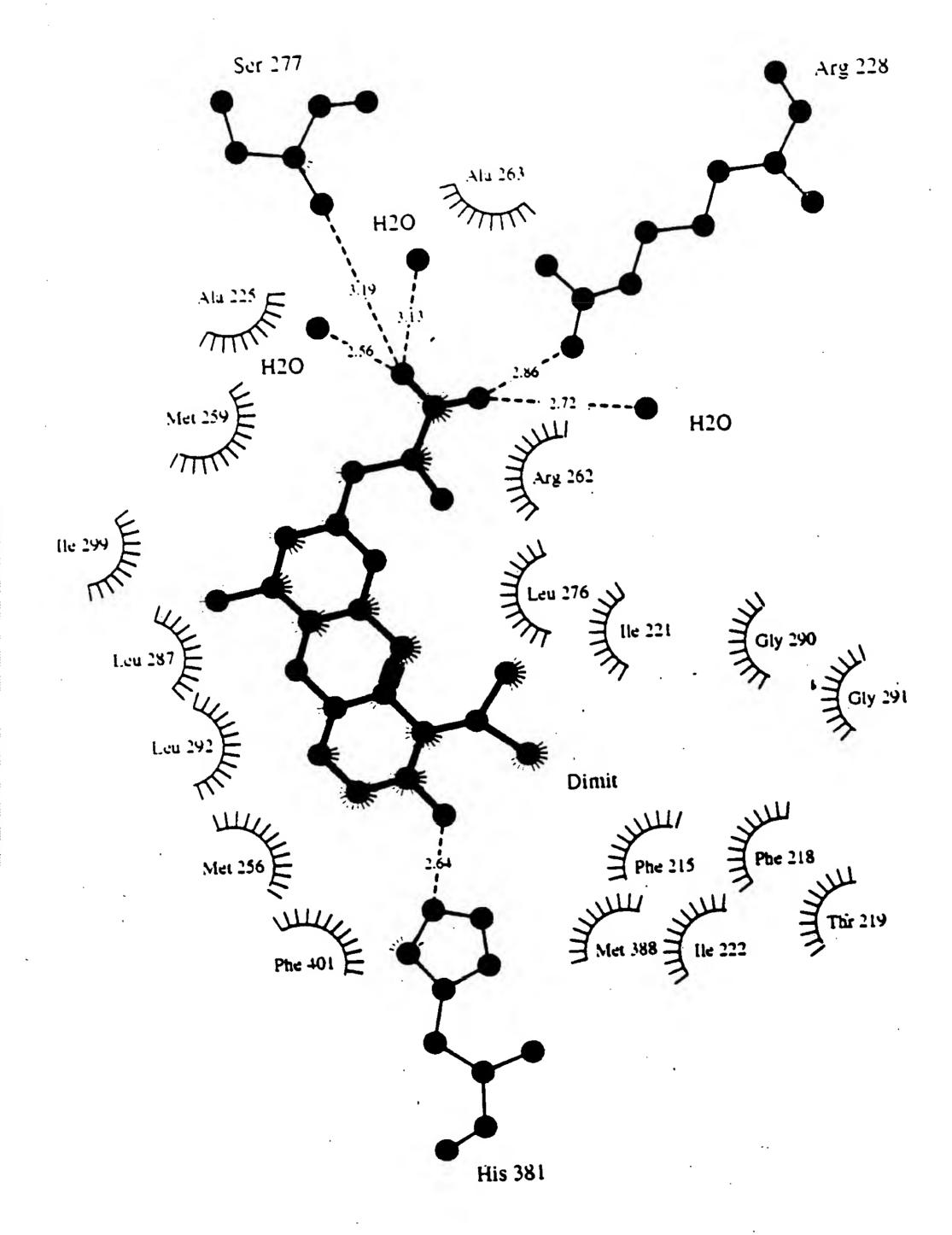


Figure 6